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Substitute for form 1449PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 13

Complete If Known

Application Number	10/661,403
Filing Date	September 12, 2003
First Named Inventor	Andrew Vaillant et al.
Art Unit	1648
Examiner Name	Sharon L. Hurt
Attorney Docket Number	16051-4US-CC

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SH		US-5,563,050	10-28-1996		
SH		US-6,506,559	1-14-2003		
SH		US-5,023,252	6-11-1991		
SH		US-5,580,859	12-03-1996		
SH		US-4,806,463	2-21-1989		
SH		US-5,248,670	9-28-1993		
SH		US-5,591,720	1-07-1997		
SH		US-5,952,490	9-14-1999		
SH		US-5,998,602	12-07-1999		
SH		US-6,184,369	2-6-2001		
SH		US-5,264,423	11-23-1993		
SH		US-5,276,019	1-4-1994		
SH		US-6,316,190	11-13-2001		
SH		US-5,218,103	6-8-1993		
SH		US-5,684,148	11-4-1997		
SH		US-5,452,496	9-26-1995		
SH		US-5,278,302	1-11-1994		
SH		US-5,750,666	5-12-1998		
SH		US-5,602,244	2-11-1997		
SH		US-5,508,270	9-16-1996		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	1*
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SH		WO 03/02903	2003			
SH		WO 99/32619	1999			
SH		WO 01/75164	2001			
SH		WO 92/03051	1992			
SH		WO 94/17093	1994			
SH		WO 94/02499	1994			
SH		WO 94/26764	1994			
SH		WO 97/13499	1997			

Examiner Signature	Sharon Hurt	Date Considered	Dec. 6, 2006
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Substitute for form 1449PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/661,403		
		Filing Date	September 12, 2003		
		First Named Inventor	Andrew Vaillant et al.		
		Art Unit	1648		
		Examiner Name	Sharon L. Hurt		
Sheet	2	of	13	Attorney Docket Number	16051-4US CC

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Sh		US-4,469,863	9-9-1984		
Sh		US-5,610,289	3-11-1997		
Sh		US-5,256,775	10-26-1993		
Sh		US-5,366,878	11-23-1994		
Sh		US-5,476,925	12-19-1995		
Sh		US-5,023,243	6-11-1991		
Sh		US-5,130,302	7-14-1992		
Sh		US-5,177,198	1-5-1993		
Sh		US-5,378,825	1-3-1995		
Sh		US-5,386,023	1-31-1995		
Sh		US-5,489,677	2-6-1996		
Sh		US-5,264,562	11-23-1993		
Sh		US-5,264,564	11-23-1993		
Sh		US-5,223,618	6-29-1993		
Sh		US-5,770,713	6-23-1998		
Sh		US-5,543,152	8-6-1996		
Sh		US-4,426,330	1-17-1984		
Sh		US-4,534,899	8-13-1985		
Sh		US-5,705,188	1-6-1998		
Sh		US-5,013,556	5-7-1991		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant Of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	1*
		Country Code 3 – Number 4 – Kind Code 5 (if known)				
SA		WO 90/04384	1990			
SA		WO 97/30731	1997			
SA		EP 0 496 813 B1	2-5-1991			
SA		EP 0 445 131 B1	3-5-1990			
SA		WO 91/05545	1991			
SA		WO 94/20073	1994			
SA		WO 96/10391	1996			
SA		WO 98/39352	1998			

Examiner Signature	Sharon Hurt	Date Considered	Dec 6, 2006
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Substitute for form 1448PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/661,403
		Filing Date	September 12, 2003
		First Named Inventor	Andrew Vaillant et al.
		Art Unit	1648
		Examiner Name	Sharon L. Hurt
Sheet	3	of	13
		Attorney Docket Number	16051-4US CC

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
Sh		US-5,356,633	10-18-1994		
Sh		US-5,213,804	5-25-1993		
Sh		US-5,225,212	7-6-1993		
Sh		US-5,540,935	7-30-1996		
Sh		US-5,556,948	9-19-1996		
Sh		US-6,316,190	11-13-2001		
Sh		US-5,264,221	11-23-1993		
Sh		US-5,665,710	9-9-1997		
Sh		US-4,806,463	2-21-1989		
Sh		US-5,248,670	9-28-1992		
Sh		US-5,695,979	12-9-1997		
Sh		US-5,591,623	1-7-1997		
Sh		US-5,514,788	5-7-1996		
Sh		US-5,652,355	7-29-1997		
Sh		US-6,143,881	11-7-2001		
Sh		US-6,346,614	2-12-2002		
Sh		US-5,591,721	1-7-1997		
Sh		US-6,608,035	8-14-2003		
Sh		US-3,687,808	8-29-1972		
Sh		US-5,625,050	4-29-1997		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
Sh		WO 99/14226	1999		
Sh		WO 96/40062	1996		
Sh		WO 97/04787	1997		
Sh		WO 04/02419	2004		

Examiner Signature	Sharon Hurt	Date Considered	Dec 6, 2006
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Substitute for form 1449PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete If Known</i>	
				Application Number	10/661,403
				Filing Date	September 12, 2003
				First Named Inventor	Andrew Valliant et al.
				Art Unit	1648
				Examiner Name	Sharon L. Hurt
				Attorney Docket Number	16051-4US CC

[illegible][illegible]

Examiner Signature	<i>Sharon Hunt</i>	Date Considered	<i>Dec 6, 2006</i>
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/661,403
				Filing Date	09/12/2003
				First Named Inventor	Andrew Valliant
				Group Art Unit	
Examiner Name					
Sheet	8	of	13	Attorney Docket Number	029849-0202

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
BR	A55	MURANISHI, S., "Absorption Enhancers," <i>Crit. Rev. in Ther. Drug Carr. Syst.</i> 7:1-33 (1990)	
BR	A56	NANDI, et al., "DNA-induced Partial Unfolding of Prion Protein Leads to its Polymerisation to Amyloid," <i>J. Mol. Biol.</i> 322:153-161 (2002)	
BR	A57	NEURATH, et al., "Anti-HIV-1 activity of anionic polymers: a comparative study of candidate microbicides," <i>BMC Infectious Diseases</i> 2:1-11 (2002)	
BR	A58	OBERHAUSER and WAGNER, "Effective incorporation of 2'-O-methyl-oligoribonucleotides into liposomes and enhanced cell association through modification with thiocholesterol," <i>Nucleic Acids Res.</i> 20(3):533-538 (1992)	
BR	A59	OLIVIERI, et al., "Hepatitis C Virus and Arthritis," <i>Rheumatic Diseases Clinics of North America</i> 29:1-18 (2003)	
BR	A60	ORUM and WENGEL, "Locked nucleic acids: A promising molecular family for gene-function analysis and antisense drug development," <i>Curr. Op. in Molecular Ther.</i> 3:239-243 (2001)	
BR	A61	PAN et al., "Isolation of virus-neutralizing RNAs from a large pool of random sequences." <i>Proc. Nat. Acad. Sci. USA</i> , 92:11509-11513 1995. 1995	
BR	A62	PAPAHADJOPOULOS, et al., "Targeting of Liposomes to Tumor Cells <i>in Vivo</i> ," <i>Ann. N.Y. Acad. Sci.</i> pp. 64-74 (1987)	

Examiner Signature	<i>Sharon L. Hunt</i>	Date Considered	Feb 13, 2006
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.